

# M.2

hex 27 integrated

# 0184

Diaphragm pressure switches up to 250 V

- Made of zinc-plated steel (CrVI-free, other housing materials available as option)
- Socket device similar to DIN EN 175301 (DIN 43650)
- Changeover with silver contacts
- Overpressure safety up to 100 / 300 bar<sup>1)</sup>
- Hysteresis adjustable at factory

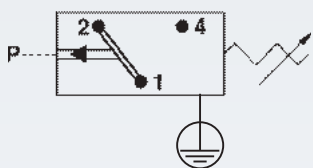
| $P_{max.}$<br>in bar | Adjustment<br>range in bar | Tolerance in bar at<br>room temperature | Male thread | Order number |
|----------------------|----------------------------|---|-------------|--------------|
|----------------------|----------------------------|---|-------------|--------------|

### 0184 Diaphragm pressure switches

|                   |           |             |               |                         |
|-------------------|-----------|-------------|---------------|-------------------------|
| 100 <sup>1)</sup> | 0.3 – 1.5 | ± 0.2       | G 1/4         | 0184 – 457 03 – X – 003 |
|                   |           |             | M 10x1 con.   | 0184 – 457 01 – X – 001 |
|                   |           |             | M 12x1.5 cyl. | 0184 – 457 02 – X – 002 |
|                   |           |             | NPT 1/8       | 0184 – 457 04 – X – 318 |
|                   |           |             | NPT 1/4       | 0184 – 457 09 – X – 314 |
|                   |           |             | 7/16-20 UNF   | 0184 – 457 20 – X – 301 |
| 300 <sup>1)</sup> | 10 – 50   | ± 3.0       | 9/16-18 UNF   | 0184 – 457 21 – X – 302 |
|                   |           |             | G 1/4         | 0184 – 458 03 – X – 042 |
|                   |           |             | M 10x1 con.   | 0184 – 458 01 – X – 040 |
|                   |           |             | M 12x1.5 cyl. | 0184 – 458 02 – X – 041 |
|                   |           |             | NPT 1/8       | 0184 – 458 04 – X – 343 |
|                   |           |             | NPT 1/4       | 0184 – 458 09 – X – 340 |
| 300 <sup>1)</sup> | 10 – 50   | ± 3.0       | 7/16-20 UNF   | 0184 – 458 20 – X – 341 |
|                   |           |             | 9/16-18 UNF   | 0184 – 458 21 – X – 342 |
|                   |           |             | G 1/4         | 0184 – 459 03 – X – 009 |
|                   |           |             | M 10x1 con.   | 0184 – 459 01 – X – 007 |
|                   |           |             | M 12x1.5 cyl. | 0184 – 459 02 – X – 008 |
|                   |           |             | NPT 1/8       | 0184 – 459 04 – X – 320 |
| 300 <sup>1)</sup> | 10 – 50   | ± 3.0       | NPT 1/4       | 0184 – 459 09 – X – 311 |
|                   |           |             | 7/16-20 UNF   | 0184 – 459 20 – X – 305 |
|                   |           |             | 9/16-18 UNF   | 0184 – 459 21 – X – 306 |
|                   |           |             | G 1/4         | 0184 – 461 03 – X – 012 |
|                   |           |             | M 10x1 con.   | 0184 – 461 01 – X – 010 |
|                   |           |             | M 12x1.5 cyl. | 0184 – 461 02 – X – 011 |
| 300 <sup>1)</sup> | 10 – 100  | ± 3.0 – 5.0 | NPT 1/8       | 0184 – 461 04 – X – 321 |
|                   |           |             | NPT 1/4       | 0184 – 461 09 – X – 312 |
|                   |           |             | 7/16-20 UNF   | 0184 – 461 20 – X – 307 |
|                   |           |             | 9/16-18 UNF   | 0184 – 461 21 – X – 308 |



Socket device included in the delivery



### Seal material – Application areas

|             |   |          |
|-------------|---|----------|
| <b>NBR</b>  | Hydraulic/machine oil, heating oil, air, nitrogen, etc. | <b>1</b> |
| <b>EPDM</b> | Brake fluid, hydrogen, oxygen, acetylene, etc.          | <b>2</b> |
| <b>FKM</b>  | Hydraulic fluids (HFA, HFB, HFD), petrol/gasoline, etc. | <b>3</b> |
| <b>HNBR</b> | Hydraulic/machine oil, ester-based bio-oils             | <b>9</b> |

Refer to page 33 for the temperature range and application thresholds of sealing materials.



**Your order number:**

**0184 – XXX XX – X – XXX**



<sup>1)</sup> Static value. Dynamic value is 30-50 % lower. Values pertain to the hydraulic/pneumatic part of the pressure switch.